More detail on the data on *https://aktuar.de/unsere-themen/lebensversicherung/sterbetafeln/…*
...2020-03-20_DAV-Richtlinie_Herleitung-DAV-2008P.pdf

The original data contains three disability states I, II, III with different severity.
We choose an active state and combine the three disability states to one with disability state >=I.

All rates are in promille; basis year is 1999

Active $q_{x_j}^{(a)}$			First year in dependency: mortality rates $q_{x_j;z}^{(i)}$			> one year in dependen $q_{x_j;z}^{(i)}$		
	male	female	z=1	disability state >=I male	disability state >=I female	z>1	disability state >=I male	disability state >=I female
65	9,875	5,425	65	234,914	231,393	65	78,305	77,131
66	10,749	5,835	66	234,036	221,915	66	81,886	77,645
67	11,829	6,429	67	234,277	213,235	67	85,268	77,609
68	12,995	7,171	68	235,305	205,149	68	88,528	77,182
69	14,246	8,019	69	236,662	197,439	69	91,767	76,558
70	15,596	8,974	70	237,852	189,879	70	95,141	75,952
71	17,095	10,12	71	238,526	182,377	71	98,858	75,587
72	18,81	11,422	72	238,692	175,164	72	103,003	75,589
73	20,749	12,834	73	238,395	168,514	73	107,598	76,058
74	22,926	14,454	74	237,656	162,604	74	112,651	77,076
75	25,452	16,311	75	236,605	157,551	75	118,21	78,714
76	28,286	18,331	76	235,421	153,428	76	124,342	81,036
77	31,523	20,413	77	234,285	150,288	77	131,104	84,1
78	35,212	22,793	78	233,317	148,146	78	138,495	87,938
79	39,438	25,617	79	232,584	146,941	79	146,435	92,514
80	44,317	29,064	80	232,214	146,665	80	154,809	97,777
81	49,835	33,284	81	232,351	147,339	81	163,482	103,668
82	56,059	38,402	82	232,991	148,923	82	172,381	110,183
83	63,011	44,363	83	234,103	151,352	83	181,475	117,327
84	70,771	50,974	84	235,664	154,459	84	190,748	125,021
85	79,37	58,213	85	237,63	158,055	85	200,197	133,157
86	88,756	66,185	86	239,921	161,932	86	209,807	141,607
87	98,904	74,909	87	242,423	165,865	87	219,562	150,223
88	109,658	84,28	88	244,961	169,658	88	229,421	158,896
89	120,858	94,117	89	247,178	173,272	89	239,198	167,678
90	132,372	104,12	90	248,672	176,677	90	248,672	176,677
91	144,205	114,051	91	255,267	184,733	91	255,267	184,733
92	156,289	123,946	92	261,044	193,2	92	261,044	193,2
93	168,623	133,835	93	265,843	202,149	93	265,843	202,149
94	181,178	143,747	94	272,995	211,511	94	272,995	211,511
95	193,924	153,668	95	280,542	221,374	95	280,542	221,374
96	206,841	163,574	96	288,009	230,845	96	288,009	230,845
97	219,923	173,434	97	295,381	240,348	97	295,381	240,348
98	233,143	183,266	98	302,646	249,854	98	302,646	249,854
99	246,444	193,075	99	309,789	259,334	99	309,789	259,334
100	256,987	213,931	100	316,801	268,756	100	316,801	268,756
101	270,707	226,605	101	323,669	278,091	101	323,669	278,091
102	284,668	239,613	102	330,385	287,312	102	330,385	287,312

103	298,874	252,962
104	313,321	266,662
105	328,01	280,723
106	342,939	295,151
107	358,104	309,956
108	373,502	325,143
109	389,126	340,719
110	404,969	356,689
111	421,02	373,055
112	437,268	389,82
113	453,698	406,982
114	470,293	424,535
115	487,031	442,473
116	503,887	460,782
117	520,833	479,444
118	537,832	498,432
119	554,846	517,713
120	571,828	537,242
121	1000	1000

103	336,939	296,392
104	343,324	305,304
105	349,535	314,028
106	355,564	322,54
107	361,408	330,823
108	367,064	338,861
109	380,318	346,639
110	395,803	354,146
111	411,491	364,612
112	427,371	380,997
113	443,429	397,77
114	459,649	414,927
115	476,008	432,458
116	492,482	450,353
117	509,044	468,592
118	525,659	487,151
119	542,287	505,995
120	558,885	525,082
121	1000	1000

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105	349,535	314,028
106	355,564	322,54
107	361,408	330,823
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115	476,008	432,458
116	492,482	450,353
117	509,044	468,592
118	525,659	487,151
119	542,287	505,995
120	558,885	525,082
121	1000	1000

Transition rates

$p_{x_j}^{ai}$

	disability state >=I	
	male	female
65	4,295	3,611
66	5,029	4,15
67	5,866	4,802
68	6,822	5,602
69	7,92	6,601
70	9,195	7,862
71	10,699	9,463
72	12,501	11,492
73	14,687	14,045
74	17,359	17,221
75	20,622	21,121
76	24,58	25,844
77	29,323	31,495
78	34,926	38,187
79	41,448	46,053
80	48,942	55,252
81	57,478	65,971
82	67,174	78,42
83	78,23	92,822
84	90,946	109,382
85	105,705	128,263
86	122,883	149,552
87	142,677	173,229
88	164,845	199,182
89	188,452	227,241

90	211,715	257,305
91	235,254	287,368
92	259,344	317,428
93	283,987	347,485
94	309,182	377,54
95	334,929	407,592
96	361,228	437,641
97	388,078	467,687
98	415,481	497,731
99	443,436	527,772
100	471,943	557,81
101	501,002	587,845
102	530,612	617,878
103	560,775	647,908
104	591,49	677,935
105	622,757	707,96
106	654,576	737,981
107	686,947	768,001
108	719,869	798,017
109	753,344	828,03
110	787,371	858,041
111	821,95	888,05
112	857,081	918,055
113	892,764	948,058
114	928,999	978,058

115	965,786	1000
116	1000	1000
117	1000	1000
118	1000	1000
119	1000	1000
120	1000	1000